

Notice of Allowability	Application No.	Applicant(s)	
	10/054,027	CHAMPAGNE, JEAN-PHILIPPE	
	Examiner	Art Unit	
	Ronald Baum	2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/10/06.
2. ☒ The allowed claim(s) is/are 1-9, 11-25 and 27-36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|--|--|

NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

[Signature]
11/01/06

DETAILED ACTION

Examiner's Statement of Reasons for Allowance

1. Claims 1-9, 11-25 and 27-36 are allowed over prior art.
2. This action is in reply to applicant's correspondence of 10 October 2006.
3. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.
4. As per claims 1, 17, 33 and 34 generally, prior art of record, Liao et al, U.S. Patent 6,606,663 B1, fails to teach alone, or in combination, other than via hindsight, at the time of the invention, the features as discussed and remarked upon in the response of 10/10/2006 to office action of 6/9/2006.

Specifically, (as per claim 1, for example) prior art dealing with intermediary network authentication devices/platforms (i.e., proxies, gateways, etc.,) in large networks (i.e., mobile/enterprise oriented), is generally known to exist per se, (i.e., Chen, Yih-Farn, et al, 'iMobile EE- An Enterprise Mobile service Platform', Wireless Networks 9, 2003, pp. 283-297, <http://delivery.acm.org/10.1145/780000/778492/p283-chen.pdf?key1=778492&key2=2843142611&coll=GUIDE&dl=GUIDE&CFID=4976993&CFTOKEN=41615206>).

Nowhere in the prior art is found collectively the *italicized* claim elements (i.e., the use of the intermediary devices to alter the packet content and flow control/header information (i.e., alteration beyond simple header address changes associated with routing via passage through intermediate network nodes) to effect authentication for the session state control (i.e., connection and state initialization) during a client/server configuration access (control) of server resources

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on a packet basis), at the time of the invention; serving to patently distinguish the invention from said prior art;

“1. In a data communications device, a method providing authentication of a client device to a server device, the method comprising the steps of:

detecting a requirement for authentication of

a request for data sent from

a client device to a server device;

creating an authentication response in response to

the step of detecting the requirement for authentication,

the authentication response containing

authentication information required by the server device to allow

the client device to access data via the server device;

inserting the authentication response into the data communications session between

the client device and the server device,

the authentication response authenticating, to the server device,

access to the data by the client device;

maintaining the data communications session between

the server device and the client device

in the presence of authentication response information inserted into the

data communications session between

the client device and the server device by;

maintaining connection state data in the data communications device that tracks an amount of extra data associated with the authentication response that is inserted into the data communications session between the client device and the server device; and modifying connection information within packets passing through the data communications device that are exchanged between the client device and server device using the data communications session in order to allow the client and server device to maintain proper respective first and second connection states for the data communications session regardless of the amount of extra data added in the data communications session due to insertion of the authentication response.”

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5. Dependent claims 2-9, 11-16, 18-25, 27-32, 35 and 36 are allowable by virtue of their dependencies.

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Conclusion

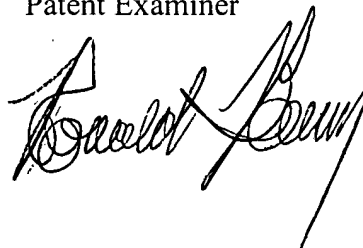
6. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (571) 272-3861, and whose unofficial Fax number is (571) 273-3861 and unofficial email is Ronald.baum@uspto.gov. The examiner can normally be reached Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami, can be reached at (571) 272-4195. The Fax number for the organization where this application is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. For more information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronald Baum

Patent Examiner



NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100


11/01/06